

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\  
 Data File : VN049305.D  
 Acq On : 16 Jun 2018 12:01  
 Operator : MD\SY  
 Sample : J3501-12  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-9

Quant Time: Jun 18 02:25:30 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Jun 16 01:02:01 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 7.67  | 168  | 1267555  | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.59  | 114  | 1998339  | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 1620224  | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.35 | 152  | 465018   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|--------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 8.03  | 65   | 821039   | 48.84  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 97.68% |          |
| 35) Dibromofluoromethane    | 7.59  | 113  | 726383   | 44.93  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 89.86% |          |
| 50) Toluene-d8              | 10.09 | 98   | 2756039  | 44.77  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 89.54% |          |
| 62) 4-Bromofluorobenzene    | 12.40 | 95   | 667174   | 32.78  | ug/l   | 0.00     |
| Spiked Amount               |       |      |          | 50.000 |        |          |
|                             |       |      | Recovery | =      | 65.56% |          |

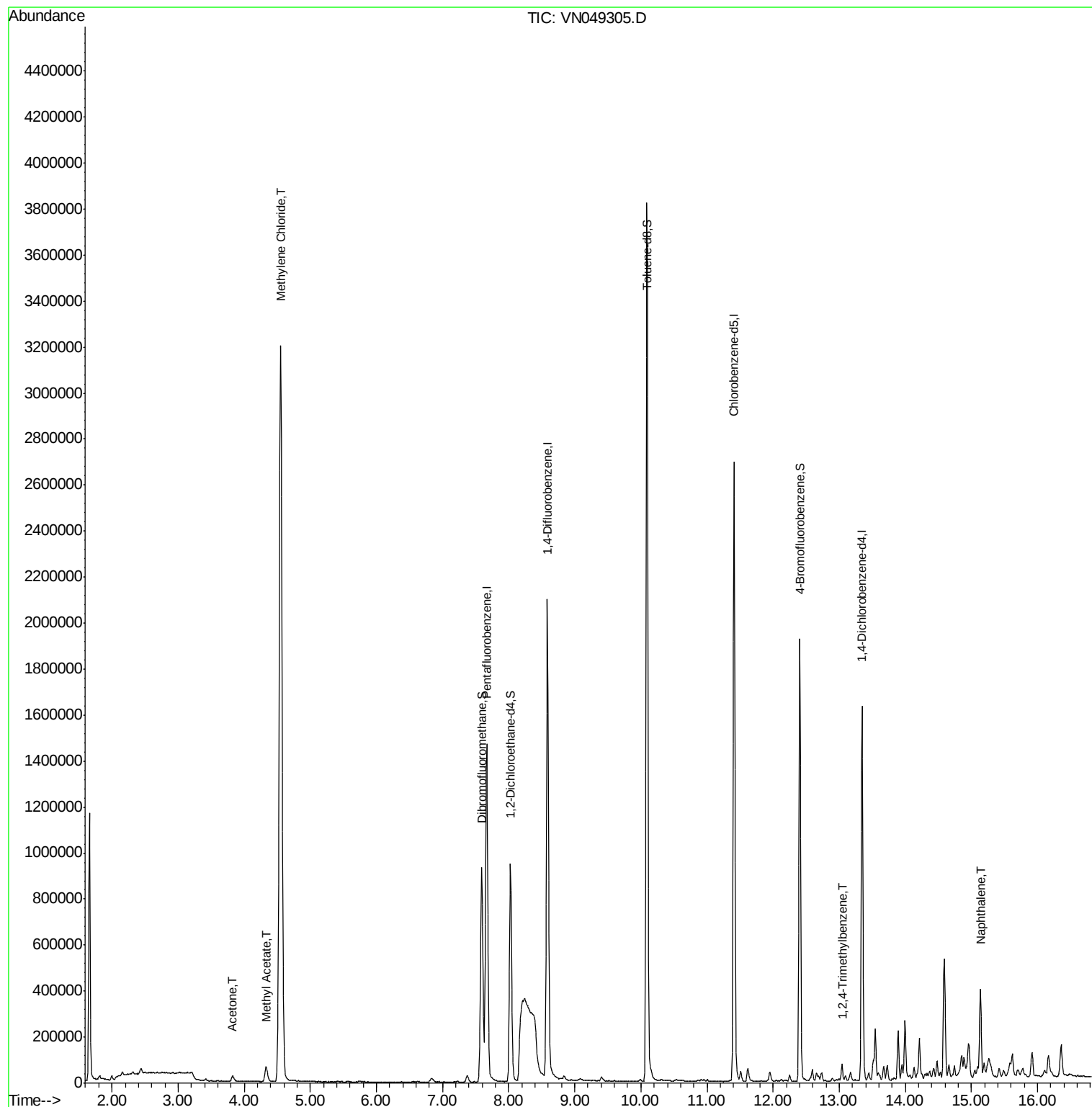
| Target Compounds           | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|----------------------------|-------|------|----------|--------|-------|--------|
| 16) Acetone                | 3.82  | 43   | 38028    | 9.32   | ug/l  | 95     |
| 18) Methyl Acetate         | 4.33  | 43   | 127199   | 10.22  | ug/l  | 96     |
| 20) Methylene Chloride     | 4.55  | 84   | 2448187  | 143.60 | ug/l  | 92     |
| 84) 1,2,4-Trimethylbenzene | 13.04 | 105  | 42179    | 1.32   | ug/l  | 98     |
| 95) Naphthalene            | 15.14 | 128  | 340122   | 26.66  | ug/l  | 100    |

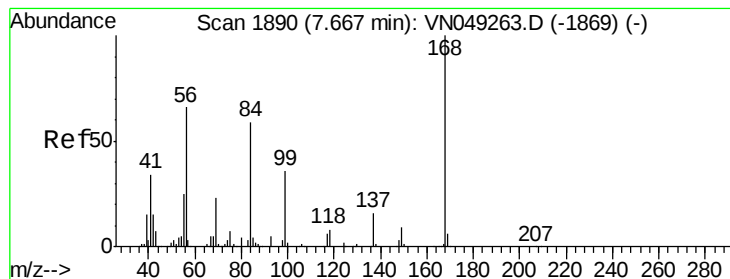
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N061618W.M  
Quant Title : SW846 8260  
QLast Update : Sat Jun 16 01:02:01 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

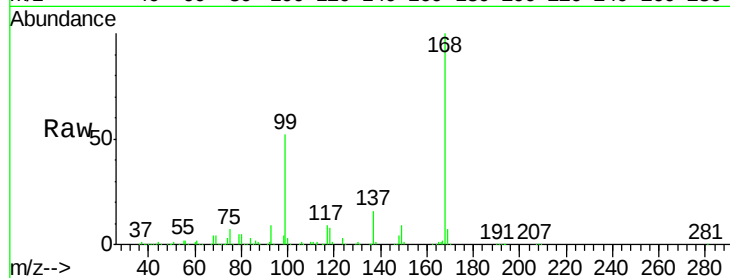
TP-9

Tot Ion:168 Resp: 1267555

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

600000

500000

400000

300000

200000

100000

0

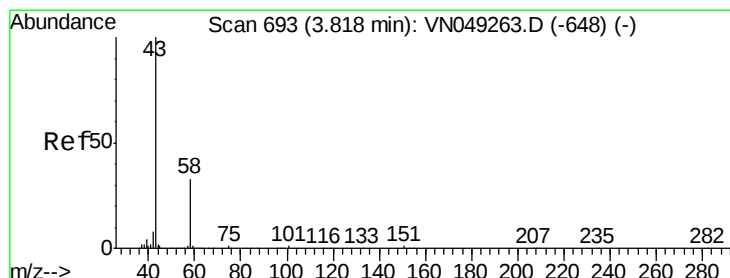
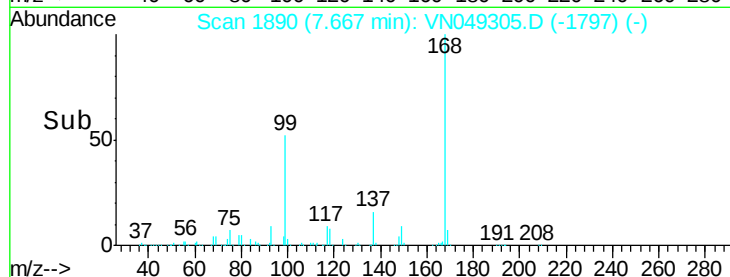
7.67

7.60

7.70

7.80

Time-->



#16

Acetone

Concen: 9.32 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049305.D

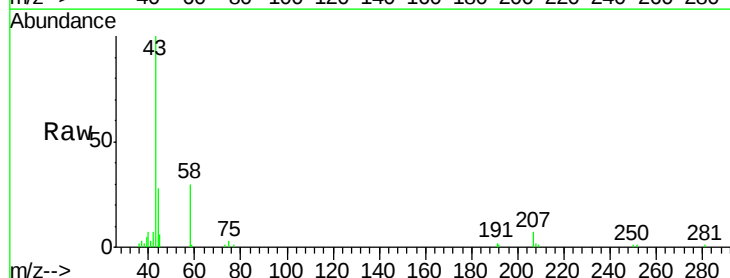
Acq: 16 Jun 2018 12:01

Tgt Ion: 43 Resp: 38028

Ion Ratio Lower Upper

43 100

58 30.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

15000

10000

5000

0

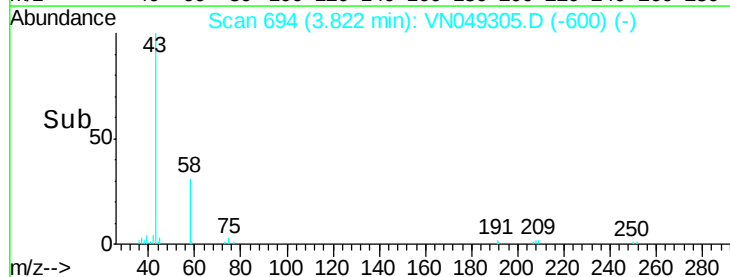
3.82

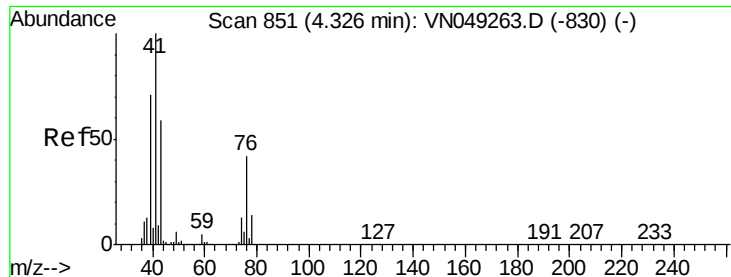
3.75

3.85

3.90

Time-->

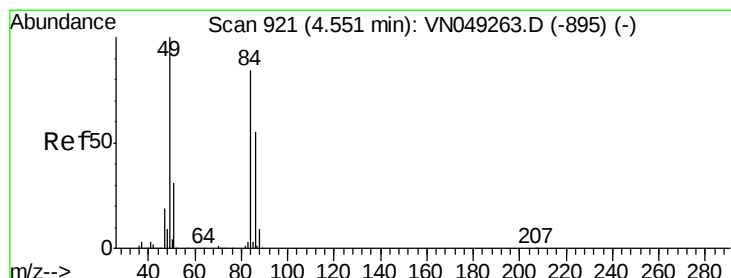
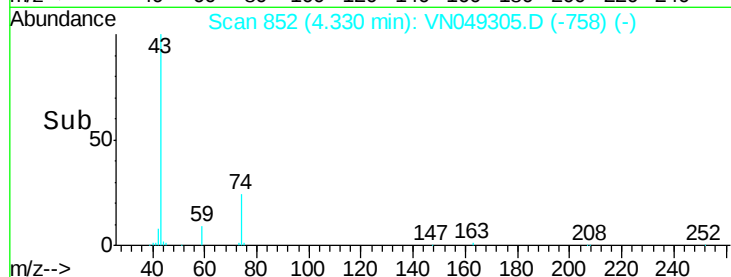
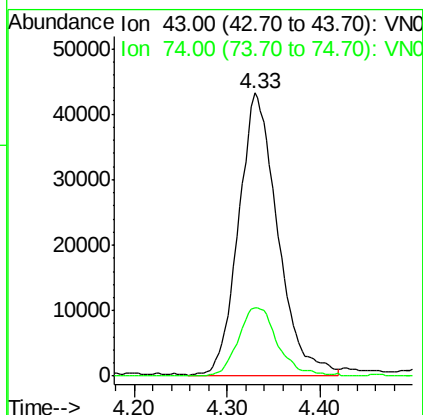
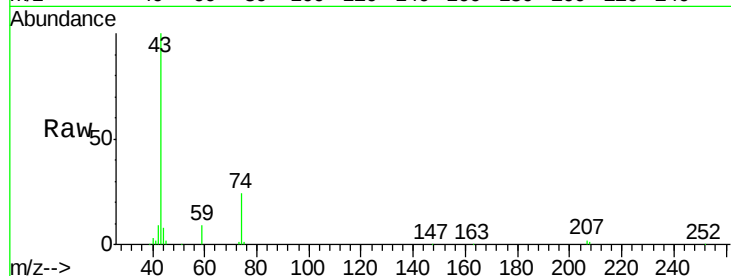




#18  
Methvl Acetate  
Concen: 10.22 ug/l  
RT: 4.33 min Scan# 852  
Delta R.T. 0.00 min  
Lab File: VN049305.D  
Acq: 16 Jun 2018 12:01

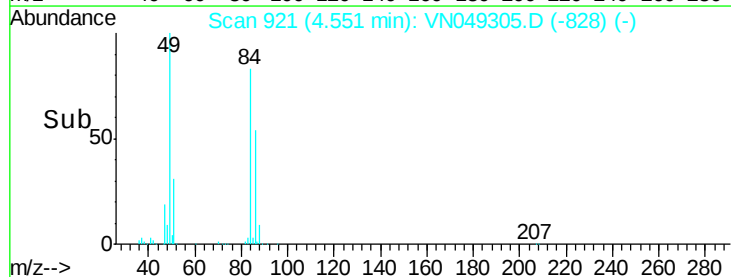
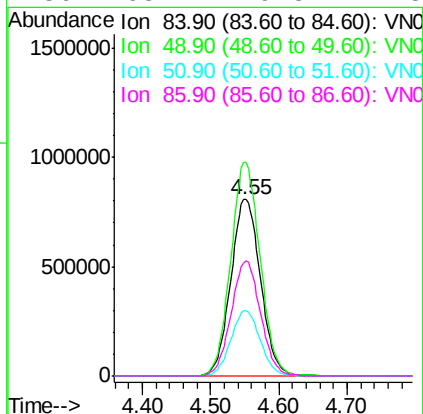
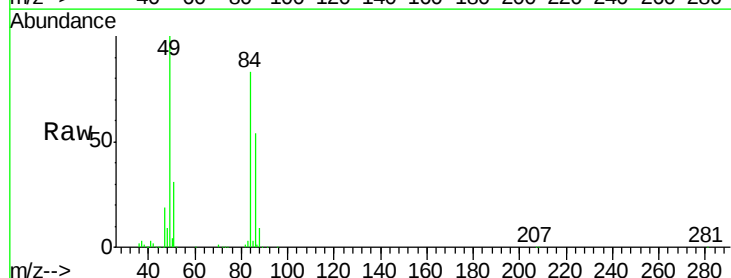
Instrument :  
MSVOA\_N  
ClientSampleId :  
TP-9

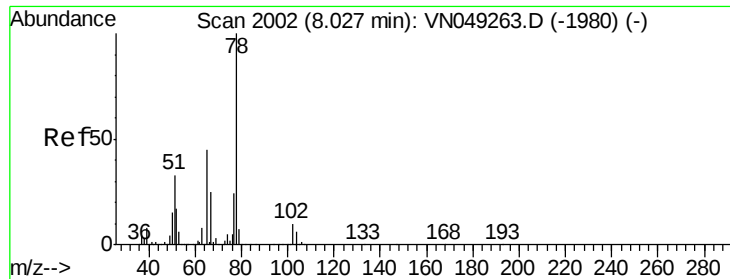
Tot Ion: 43 Resp: 127199  
Ion Ratio Lower Upper  
43 100  
74 23.5 17.4 26.0



#20  
Methylene Chloride  
Concen: 143.60 ug/l  
RT: 4.55 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: VN049305.D  
Acq: 16 Jun 2018 12:01

Tgt Ion: 84 Resp: 2448187  
Ion Ratio Lower Upper  
84 100  
49 121.1 106.9 160.3  
51 37.1 32.7 49.1  
86 65.1 49.8 74.8

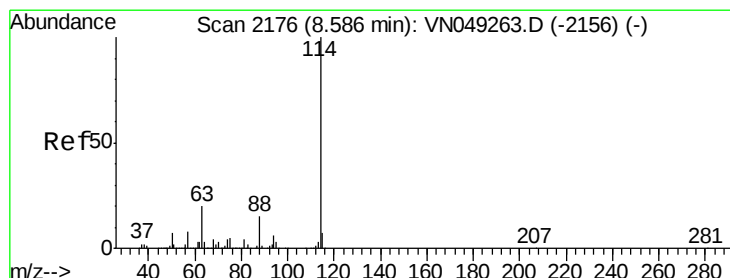
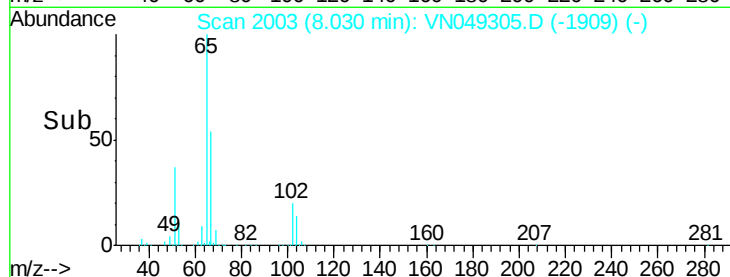
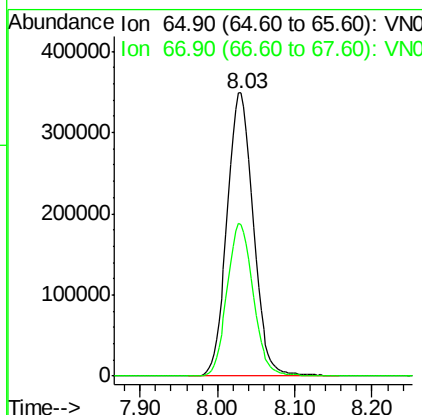
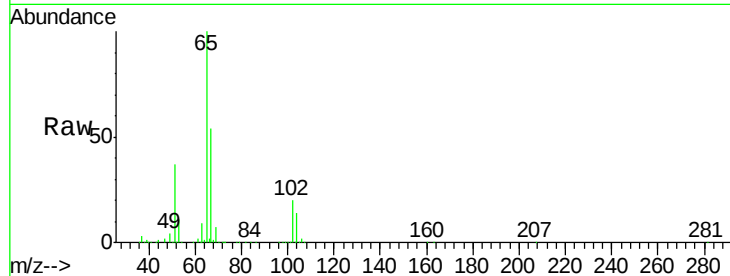




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.84 ug/l  
 RT: 8.03 min Scan# 2003  
 Delta R.T. 0.00 min  
 Lab File: VN049305.D  
 Acq: 16 Jun 2018 12:01

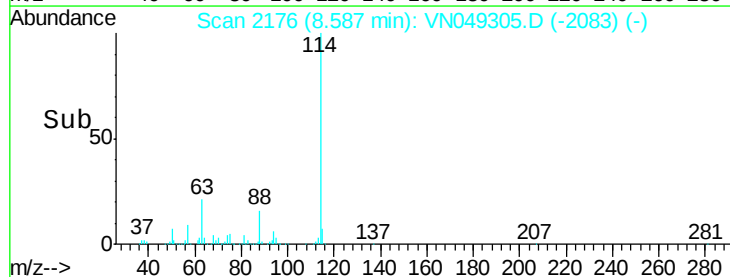
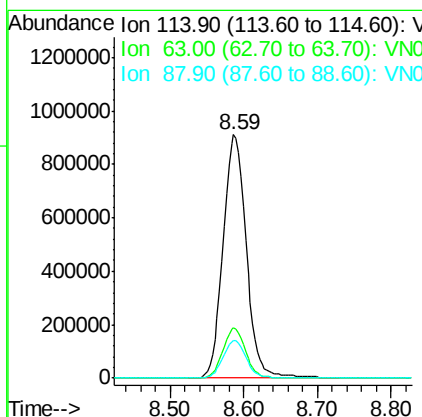
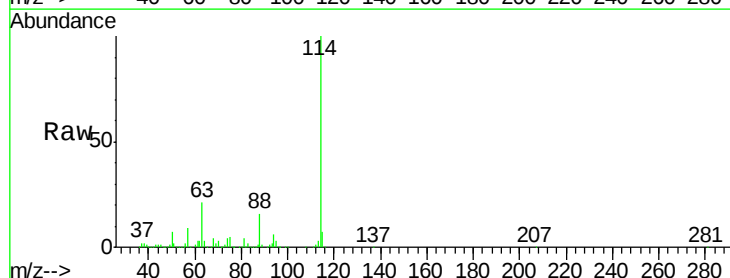
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-9

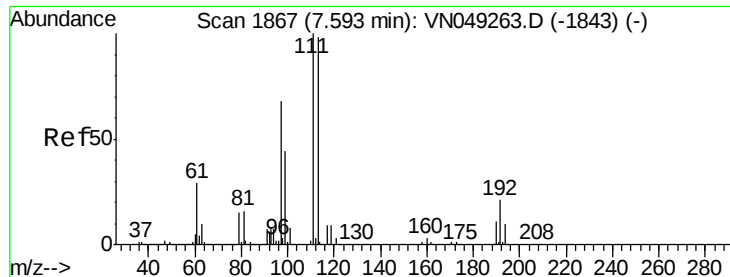
Tot Ion: 65 Resp: 821039  
 Ion Ratio Lower Upper  
 65 100  
 67 53.6 0.0 103.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 8.59 min Scan# 2176  
 Delta R.T. 0.00 min  
 Lab File: VN049305.D  
 Acq: 16 Jun 2018 12:01

Tgt Ion: 114 Resp: 1998339  
 Ion Ratio Lower Upper  
 114 100  
 63 20.8 0.0 44.4  
 88 15.7 0.0 31.4

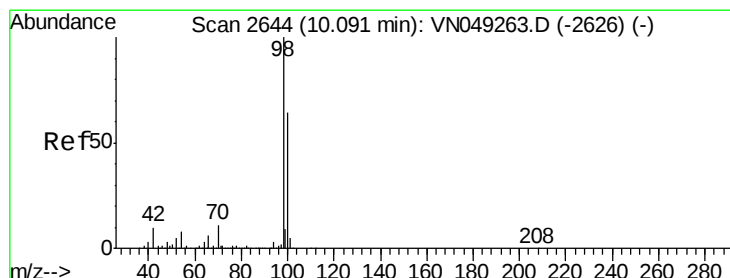
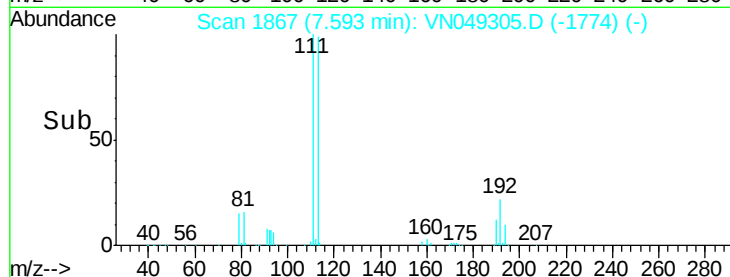
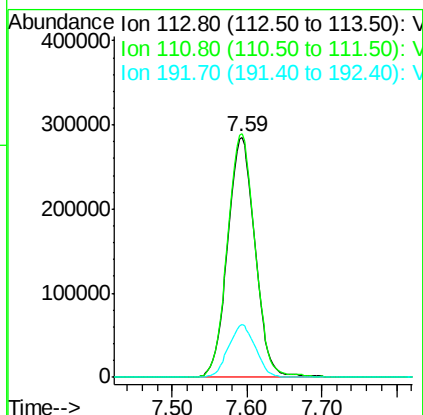
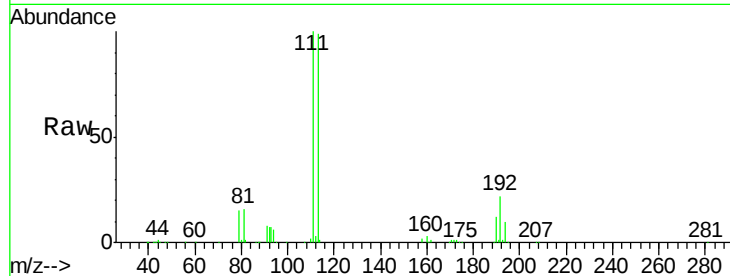




#35  
 Dibromofluoromethane  
 Concen: 44.93 ug/l  
 RT: 7.59 min Scan# 1867  
 Delta R.T. 0.00 min  
 Lab File: VN049305.D  
 Acq: 16 Jun 2018 12:01

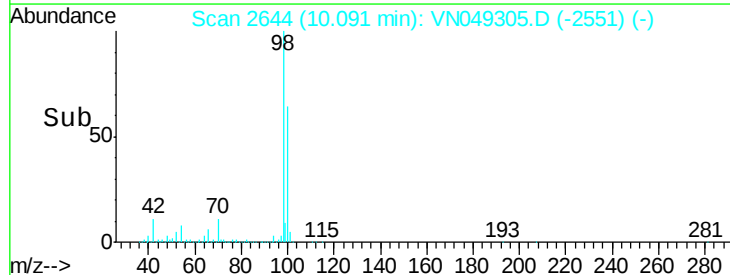
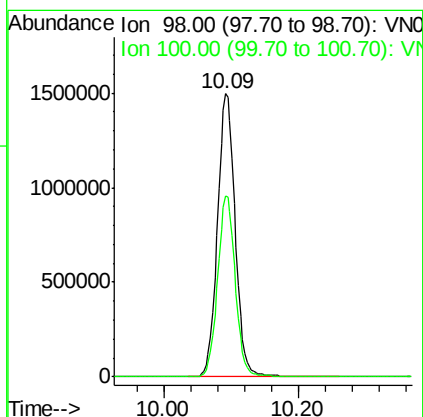
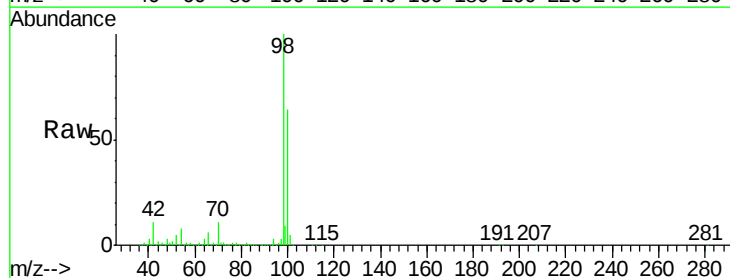
Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 TP-9

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.6 | 82.4  | 123.6 |
| 192     | 21.7  | 15.0  | 22.6  |



#50  
 Toluene-d8  
 Concen: 44.77 ug/l  
 RT: 10.09 min Scan# 2644  
 Delta R.T. 0.00 min  
 Lab File: VN049305.D  
 Acq: 16 Jun 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 63.9  | 49.8  | 74.8  |

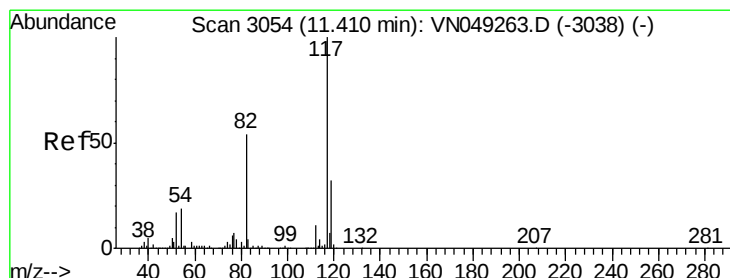
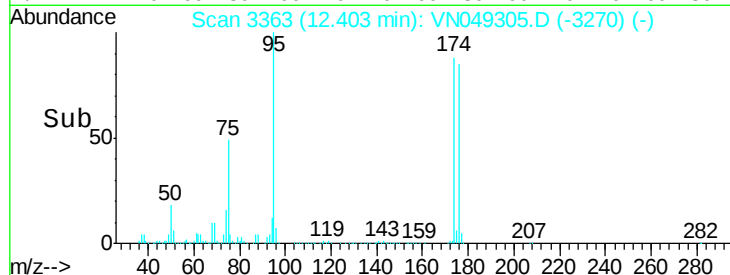
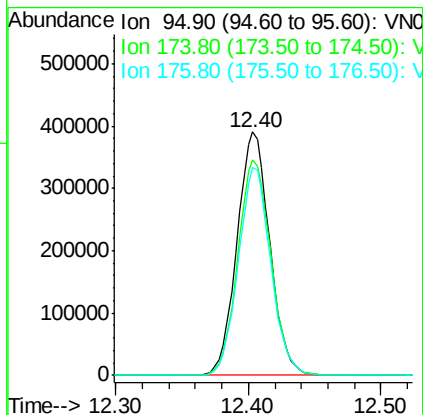
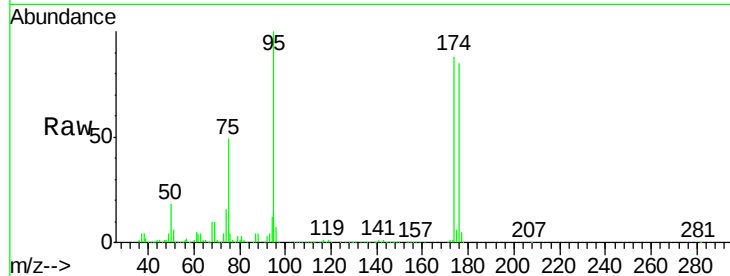




#62  
4-Bromofluorobenzene  
Concen: 32.78 ug/l  
RT: 12.40 min Scan# 3363  
Delta R.T. 0.00 min  
Lab File: VN049305.D  
Acq: 16 Jun 2018 12:01

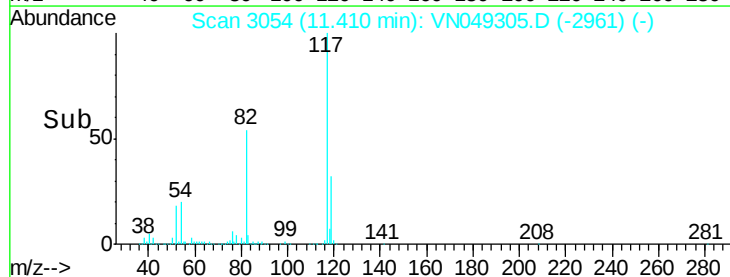
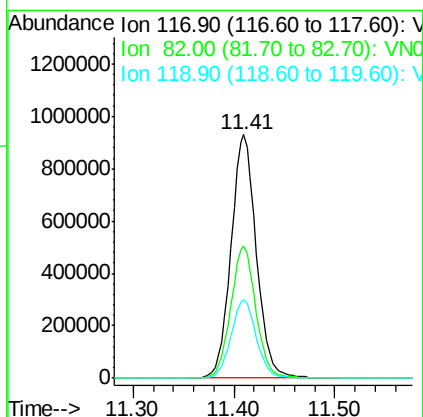
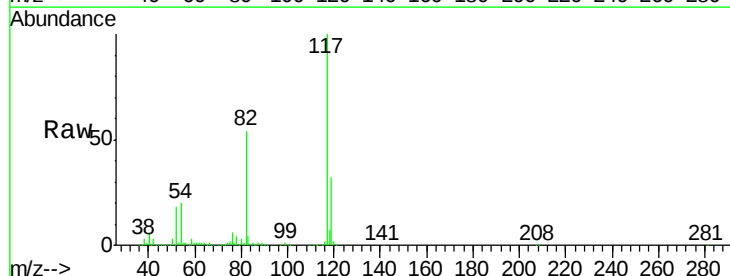
Instrument :  
MSVOA\_N  
ClientSampled :  
TP-9

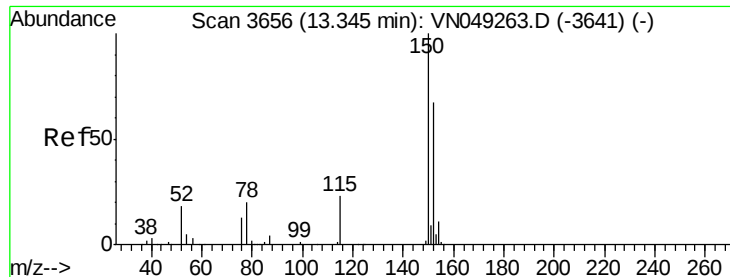
Tot Ion: 95 Resp: 667174  
Ion Ratio Lower Upper  
95 100  
174 90.2 0.0 165.6  
176 84.7 0.0 157.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.41 min Scan# 3054  
Delta R.T. 0.00 min  
Lab File: VN049305.D  
Acq: 16 Jun 2018 12:01

Tgt Ion: 117 Resp: 1620224  
Ion Ratio Lower Upper  
117 100  
82 54.4 45.9 68.9  
119 32.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

TP-9

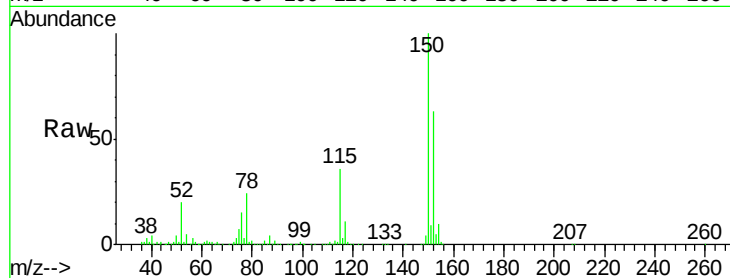
Tot Ion:152 Resp: 465018

Ion Ratio Lower Upper

152 100

115 57.7 28.7 86.1

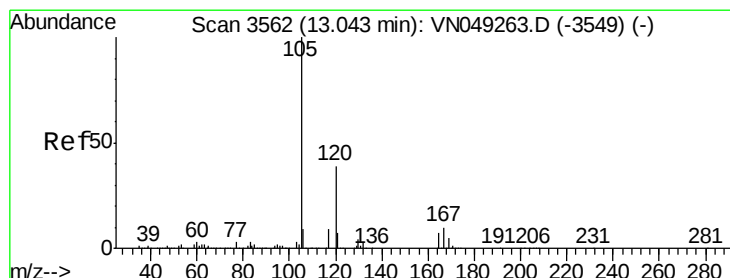
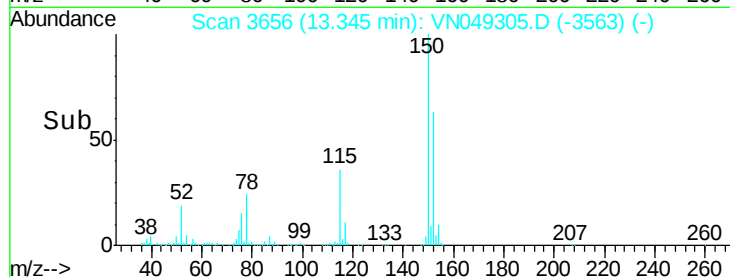
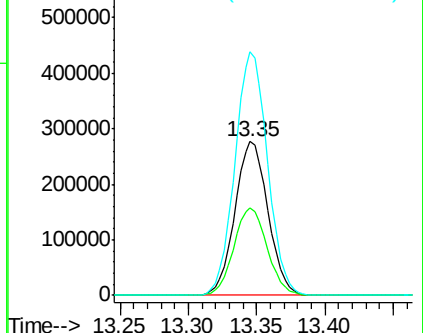
150 156.6 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 1.32 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049305.D

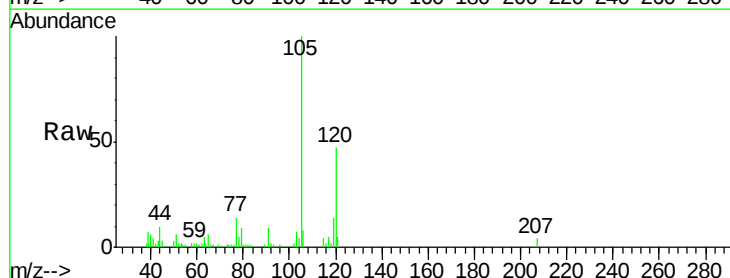
Acq: 16 Jun 2018 12:01

Tgt Ion:105 Resp: 42179

Ion Ratio Lower Upper

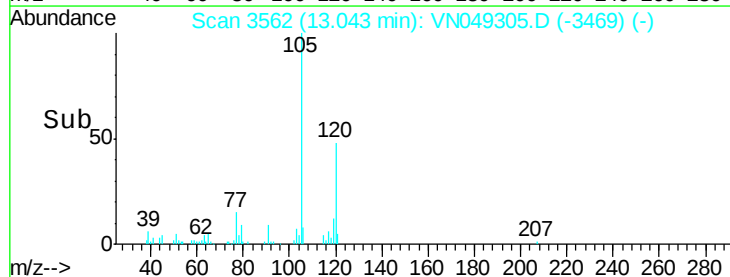
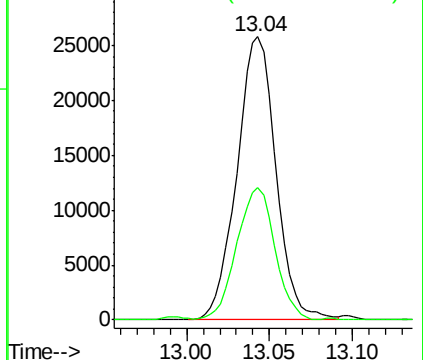
105 100

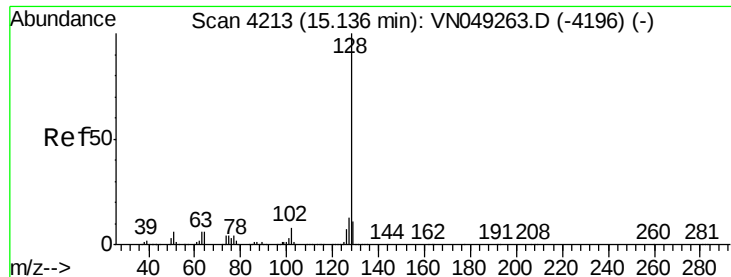
120 45.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 26.66 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049305.D

Acq: 16 Jun 2018 12:01

Instrument :

MSVOA\_N

ClientSampleId :

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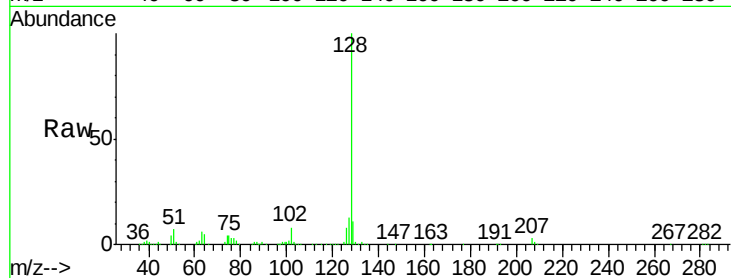
Tot Ion:128 Resp: 340122

Ion Ratio Lower Upper

128 100

127 13.4 10.6 16.0

129 10.7 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

